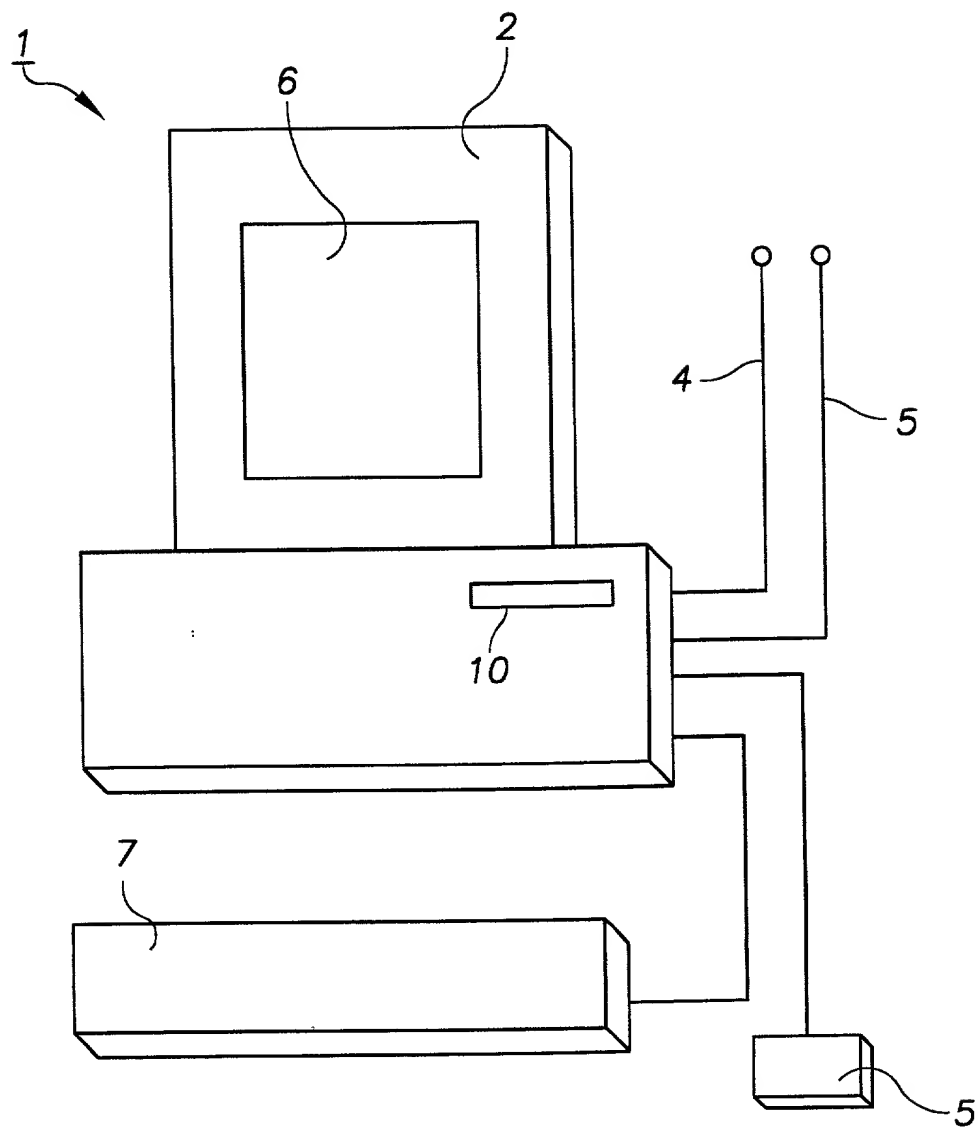
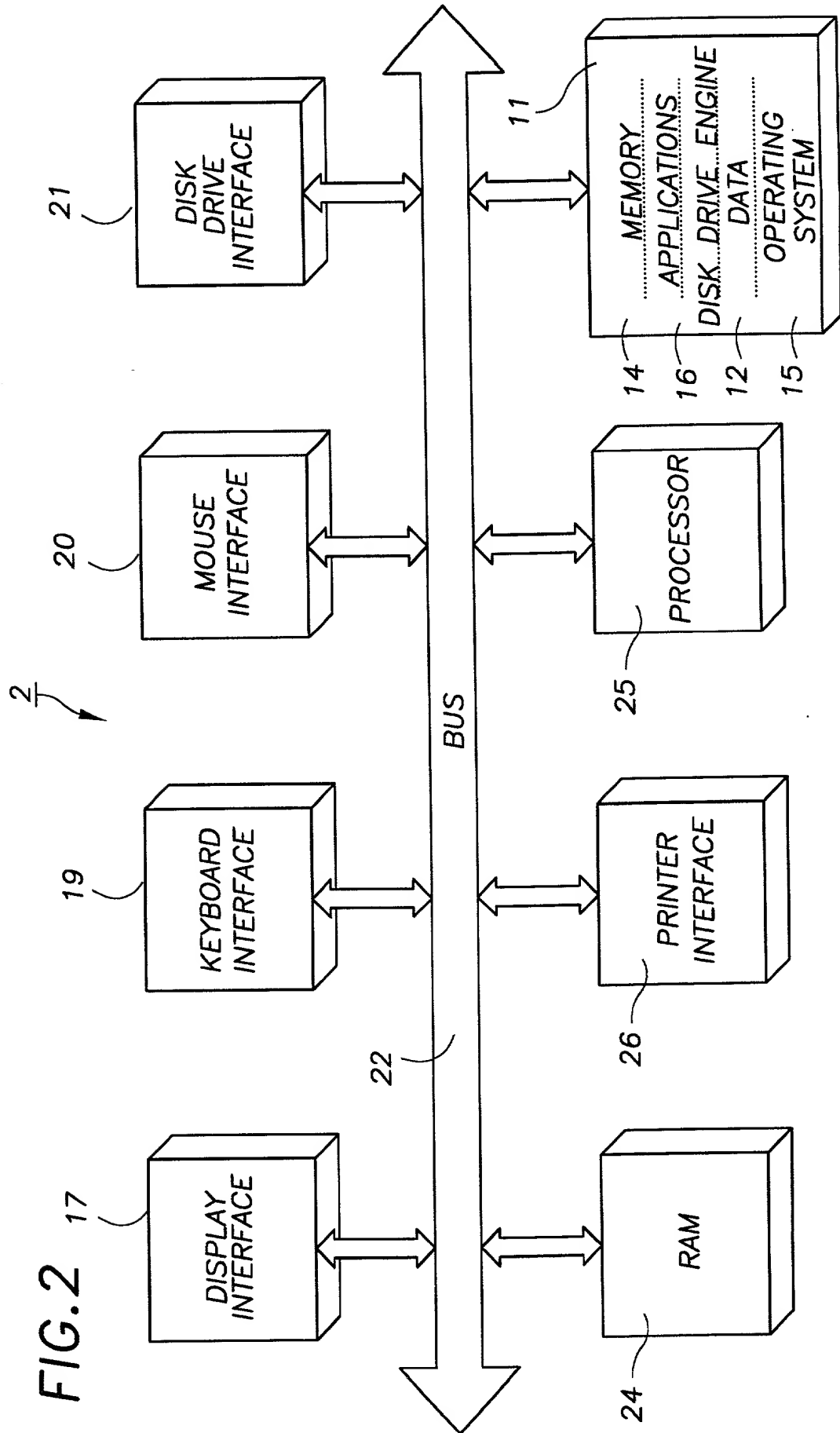


FIG. 1





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FIG.3

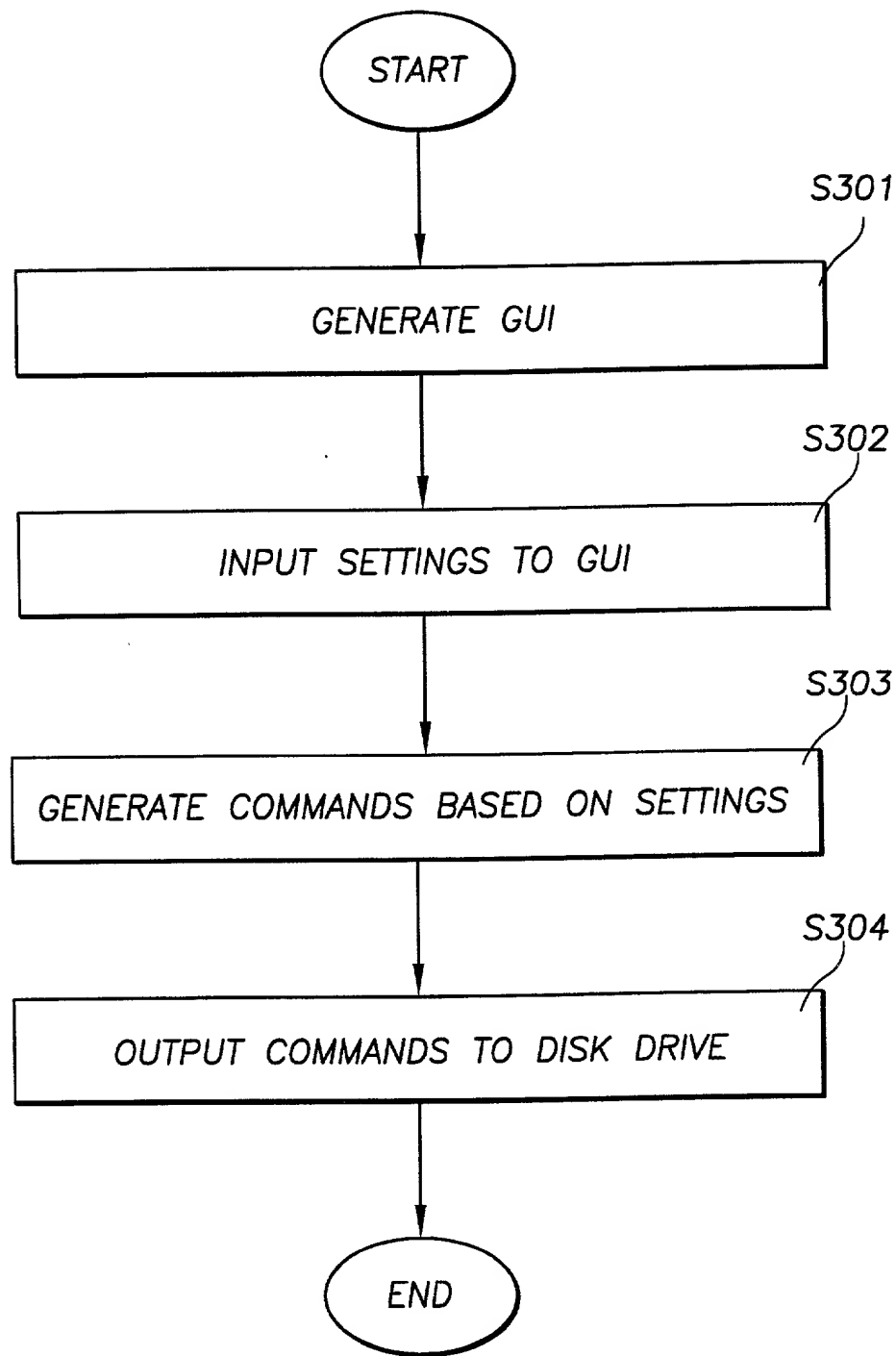


FIG. 4

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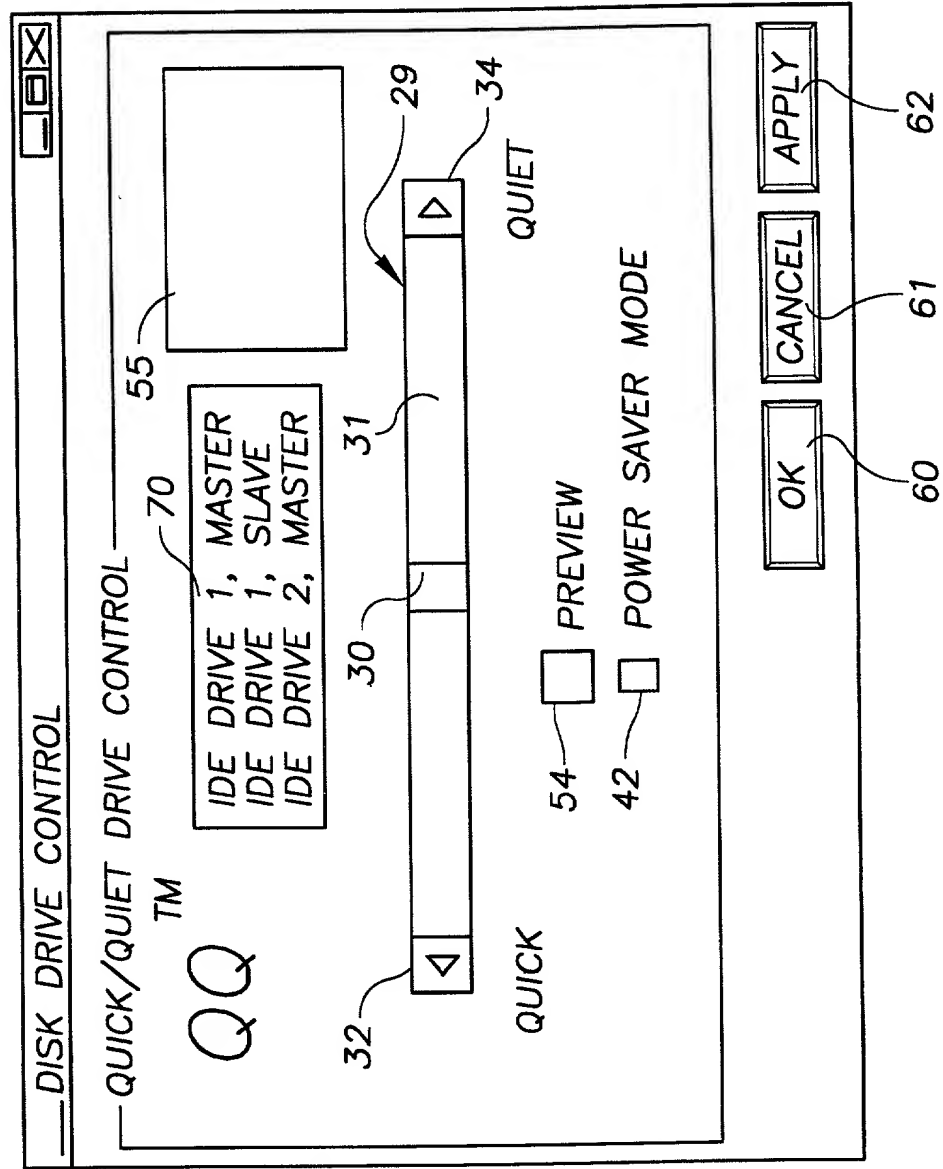


FIG. 5

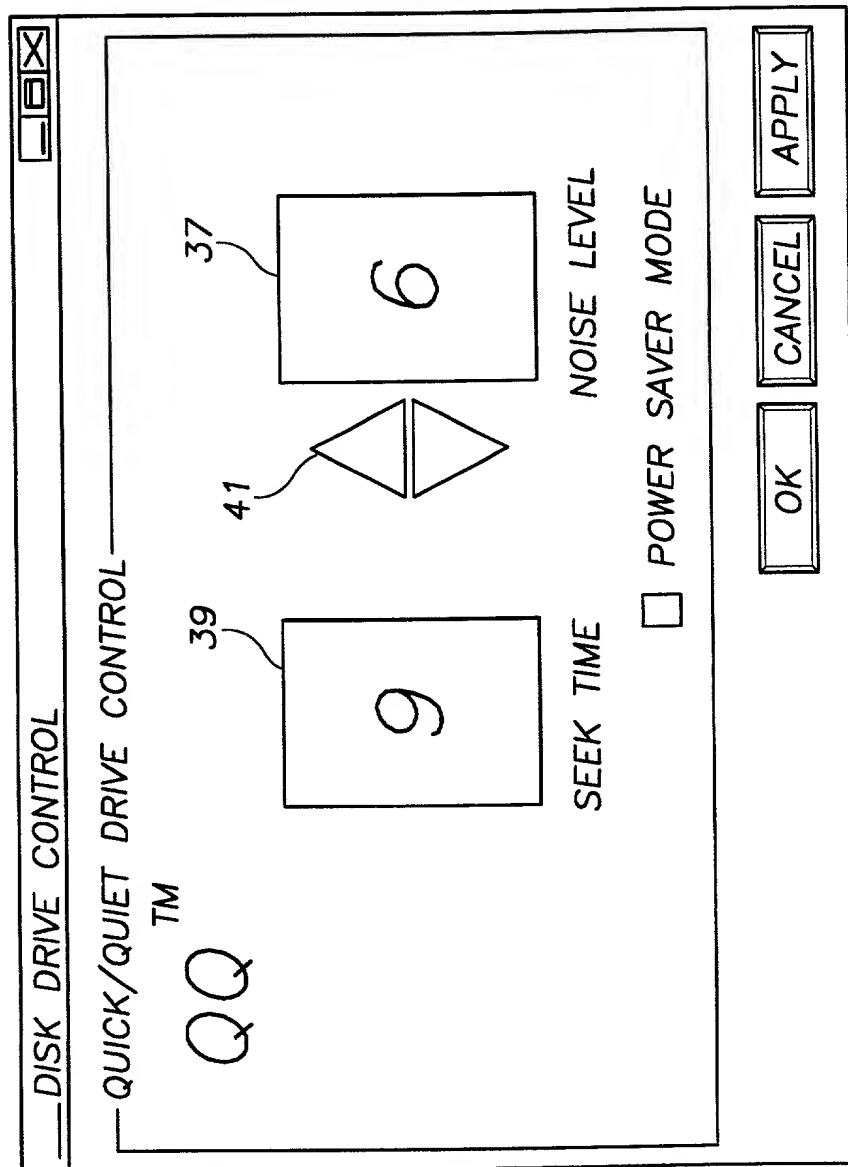


FIG. 6

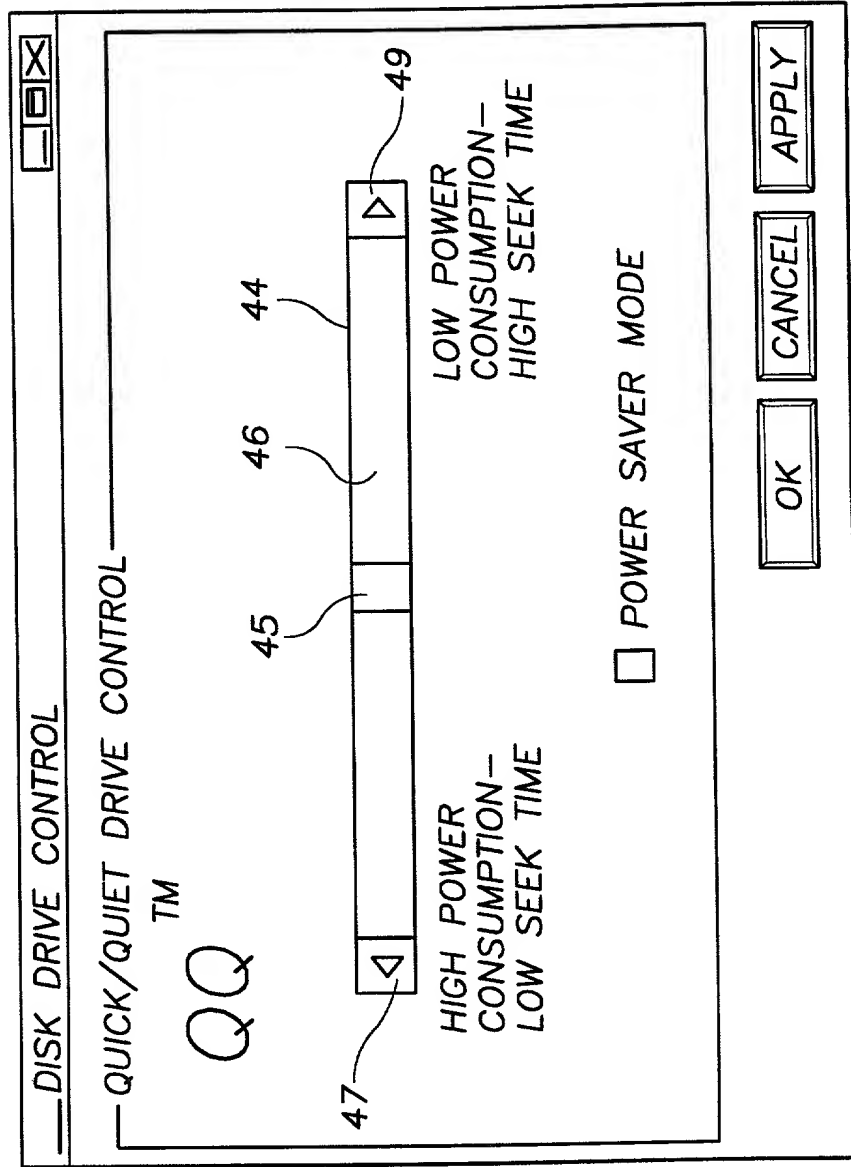
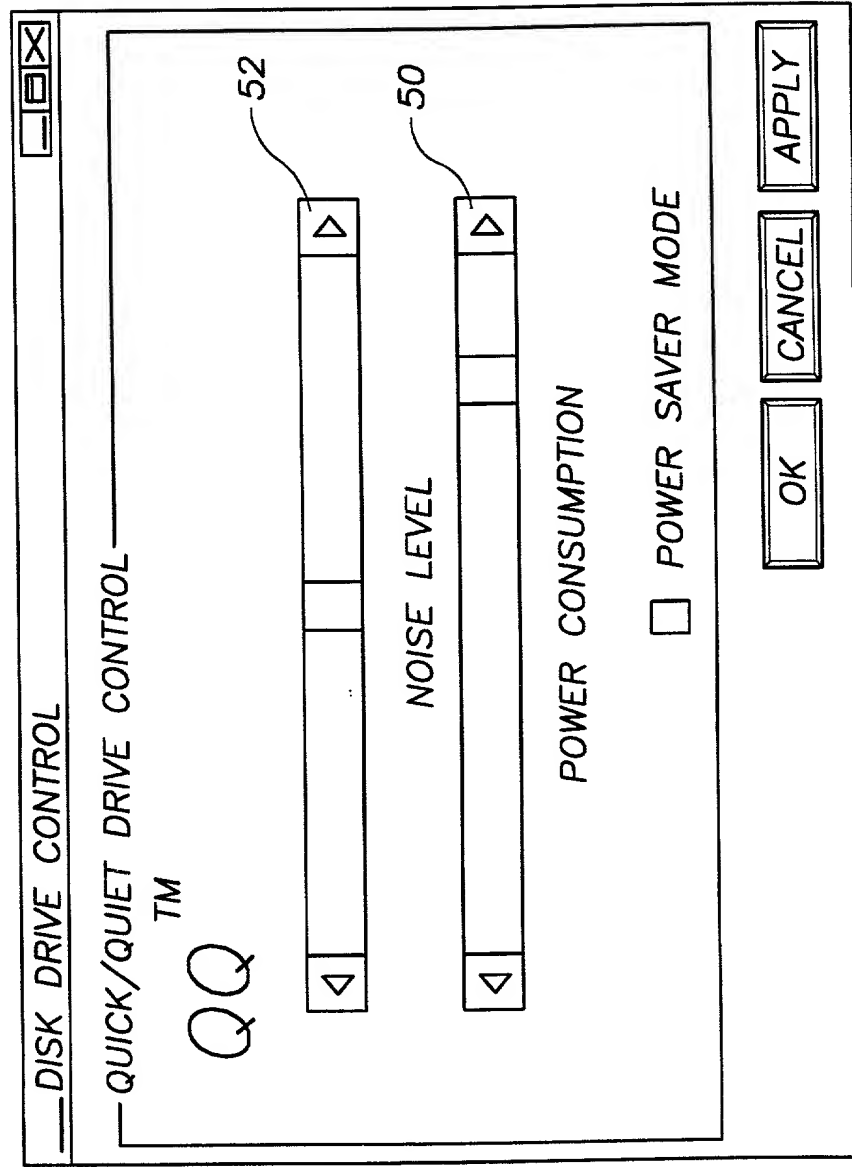


FIG. 7



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FIG. 8

— DISK DRIVE CONTROL —

— QUICK/QUIET DRIVE CONTROL —

QQ<sup>TM</sup>

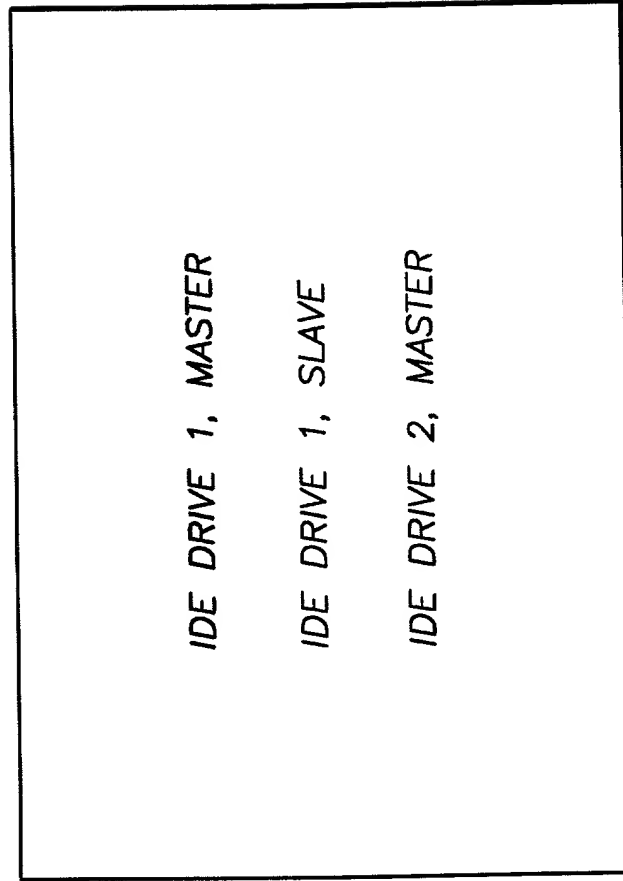
9		6		2
SEEK TIME		NOISE LEVEL		POWER CONSUMPTION

☐ POWER SAVER MODE

OK CANCEL APPLY

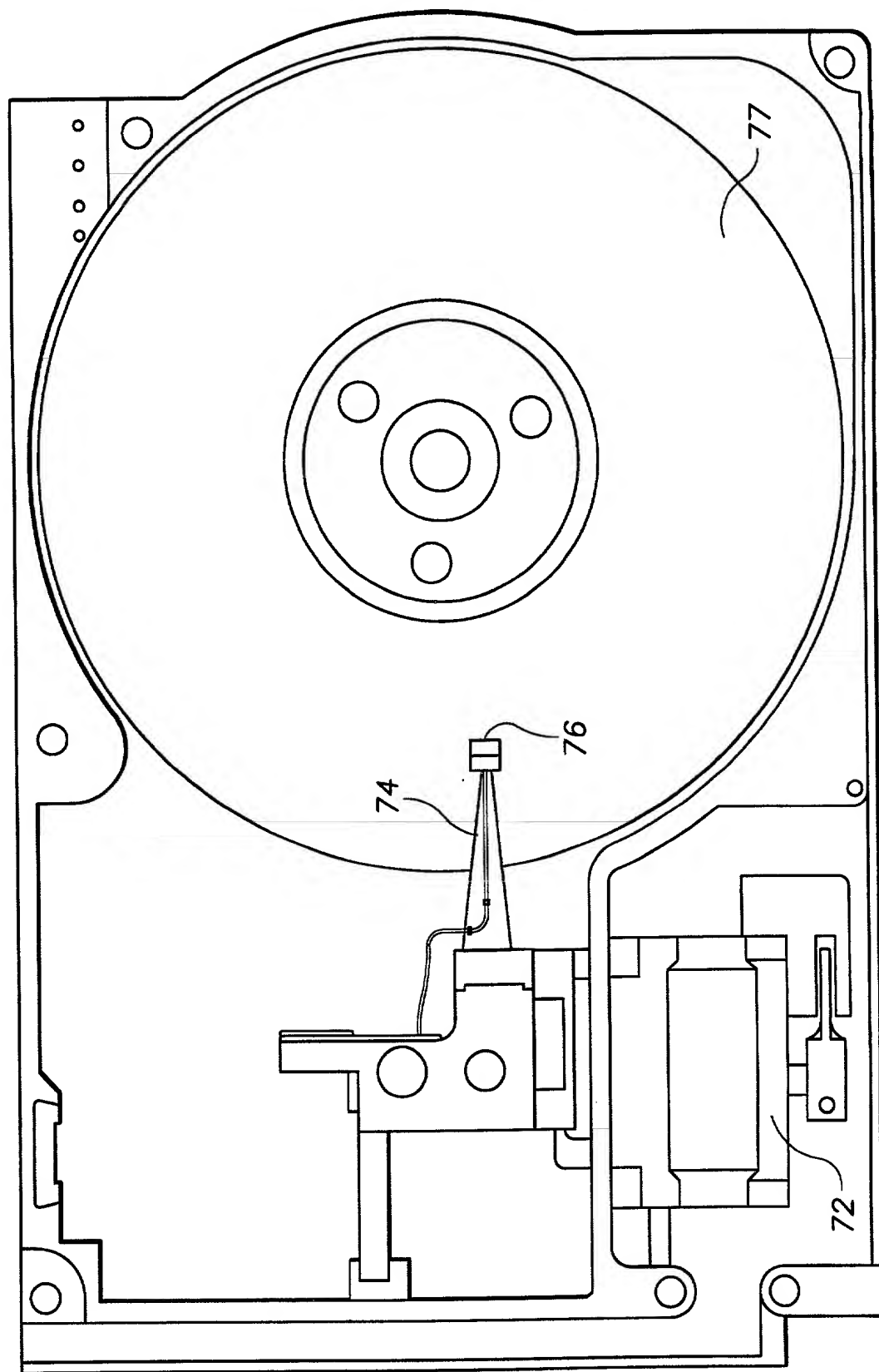


FIG.9



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FIG. 10A



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FIG. 10B

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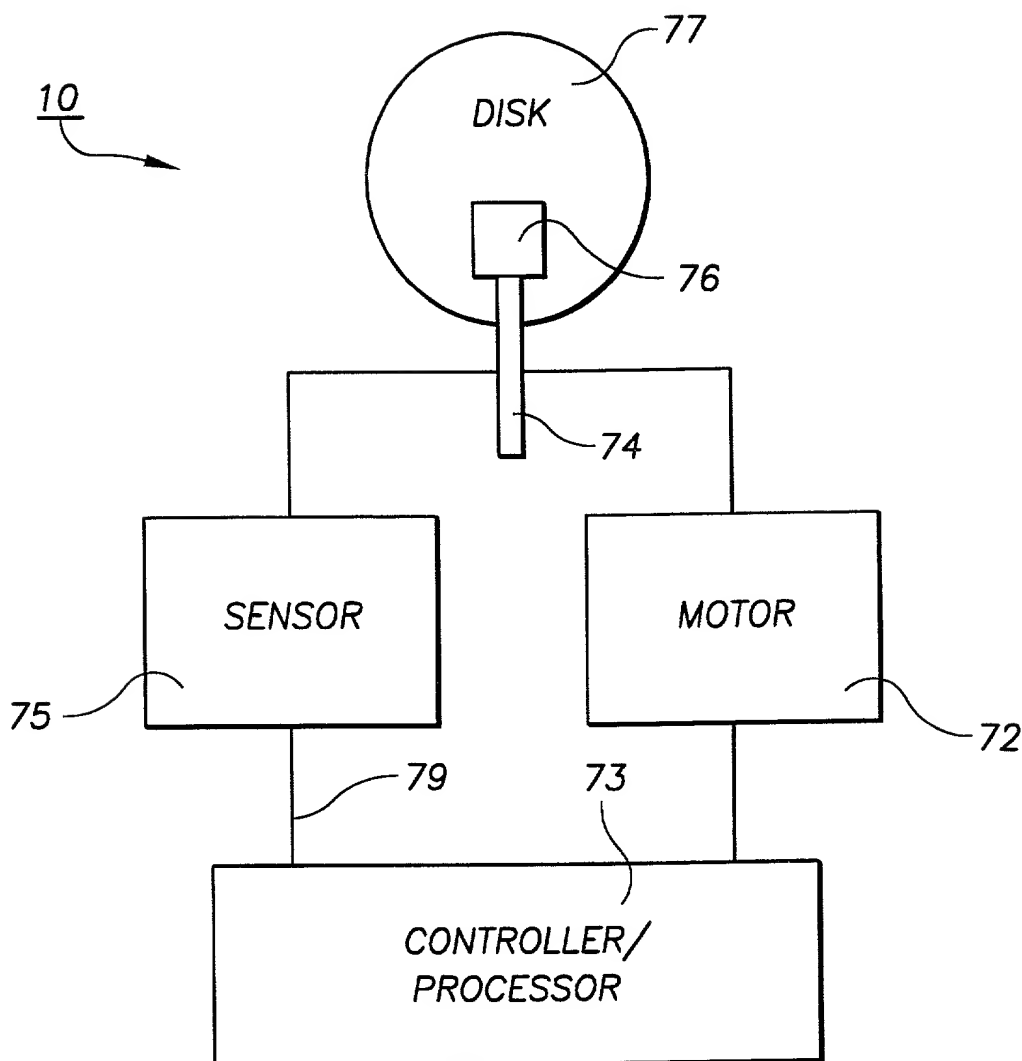


FIG. 11

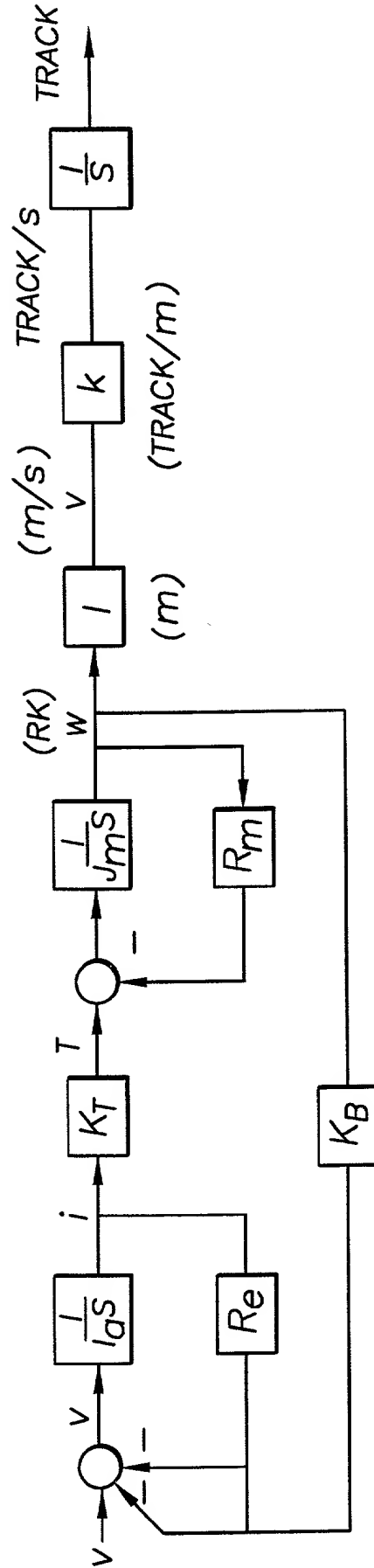


FIG. 12

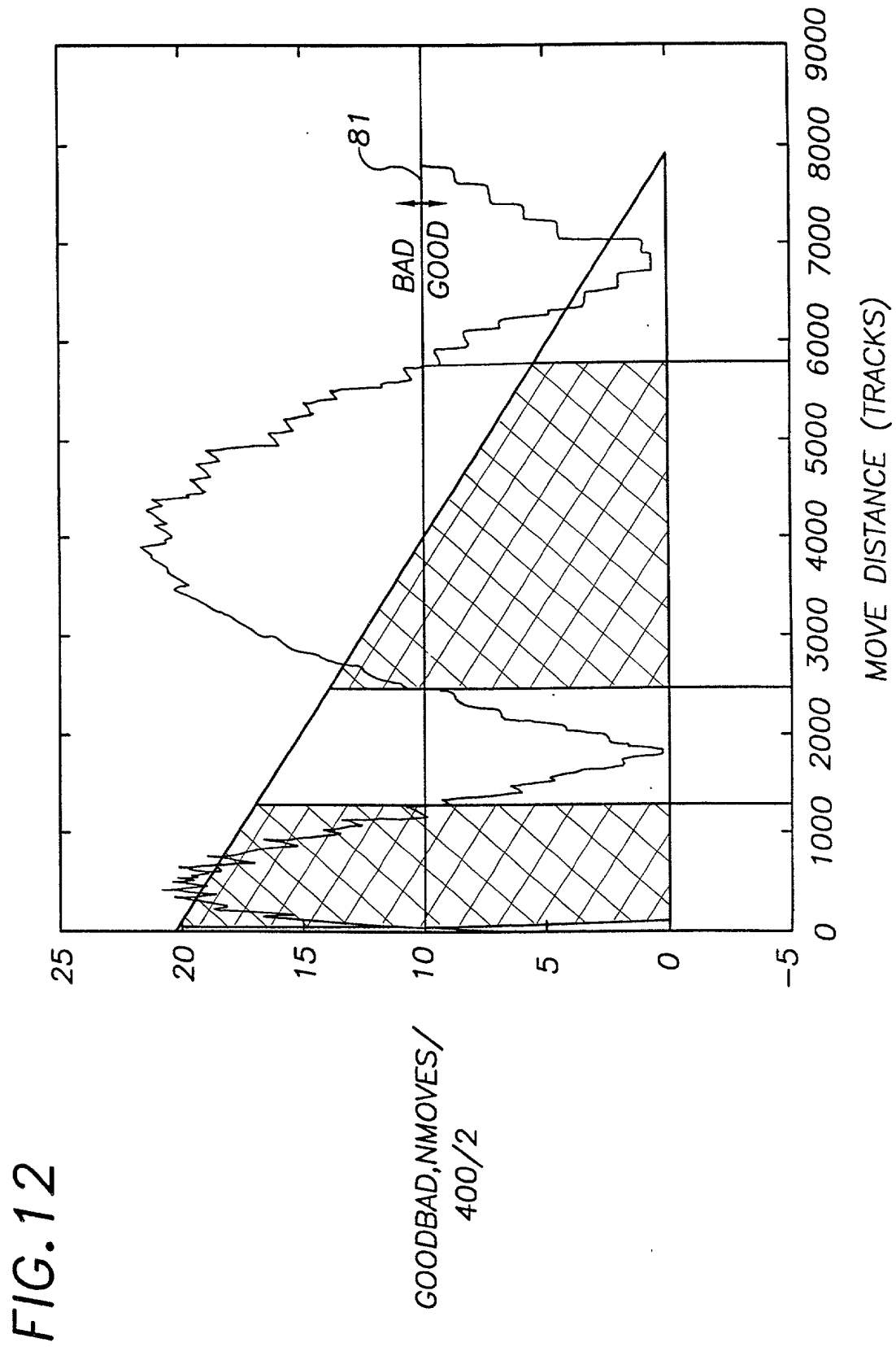


FIG. 13

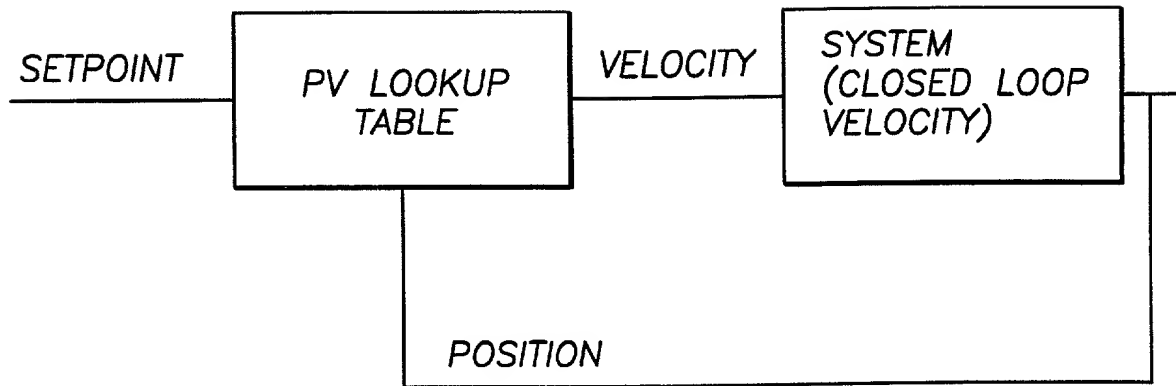
PRIOR ART

FIG. 14

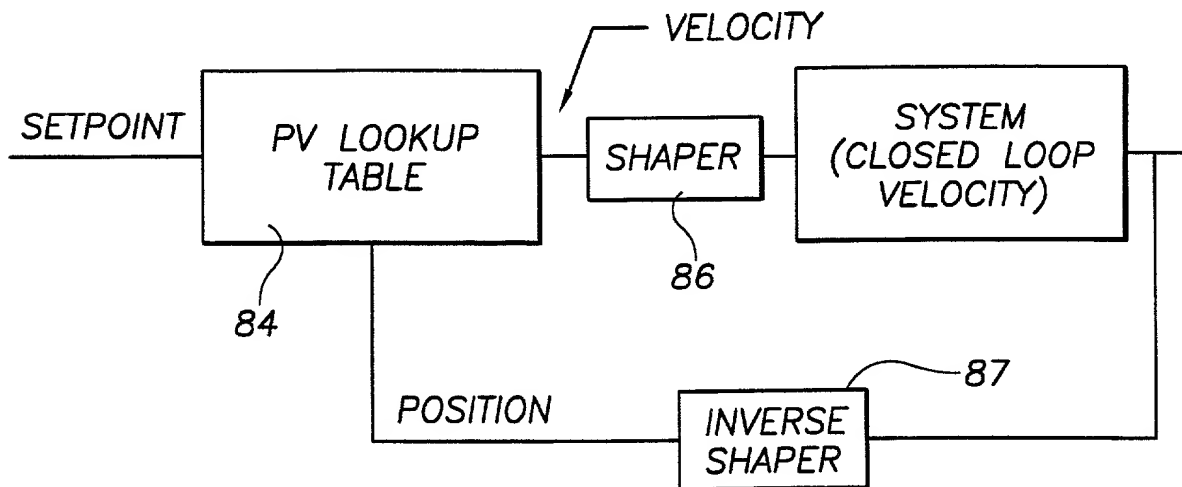


FIG. 15

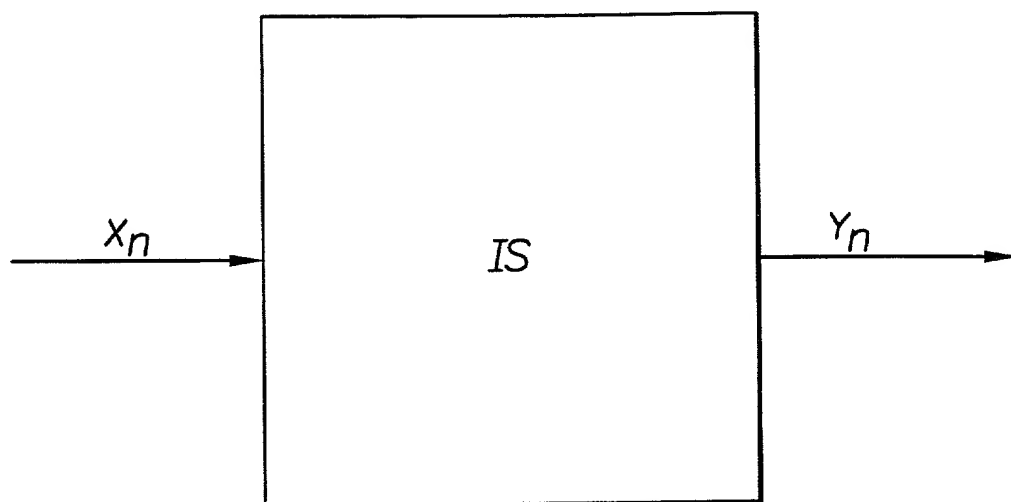


FIG. 16

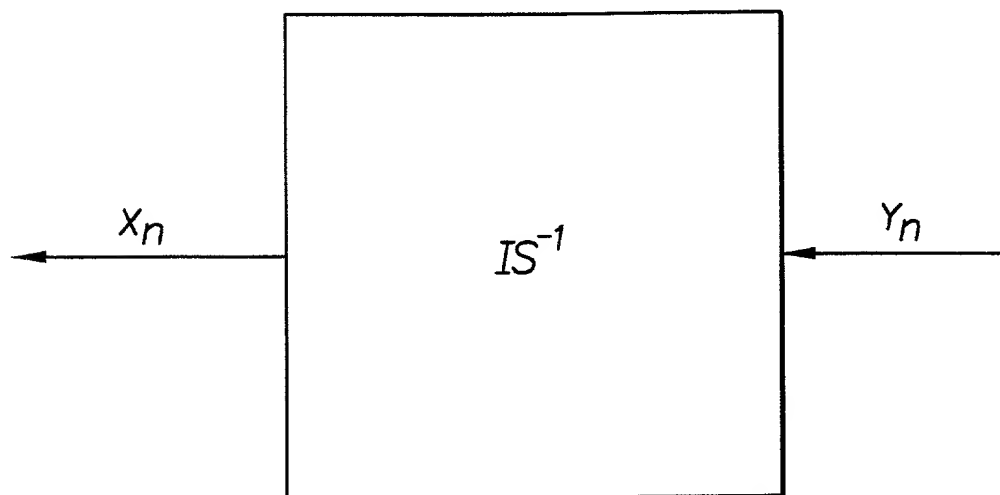


FIG.17

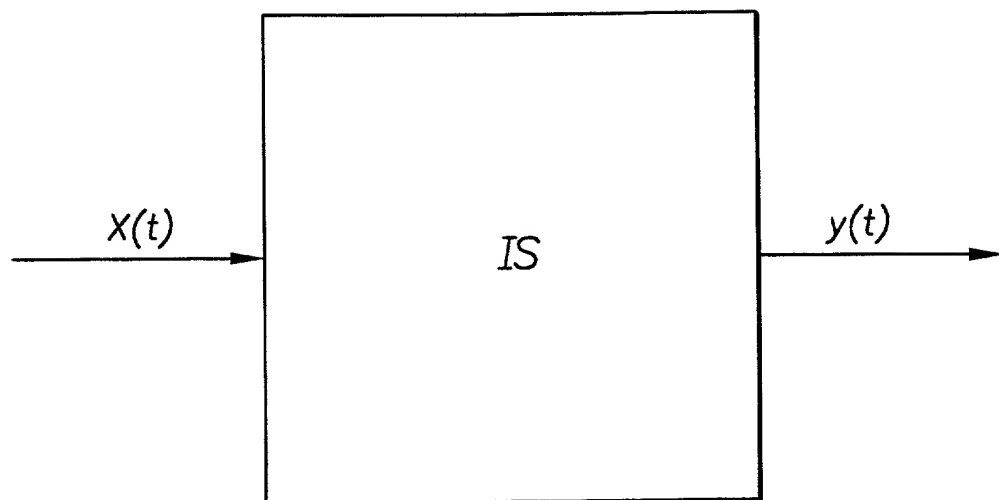


FIG18

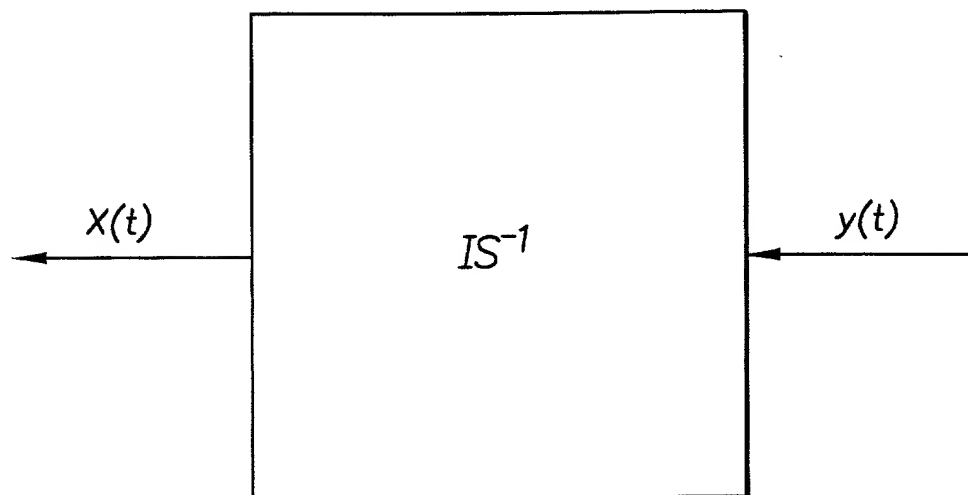




FIG. 19

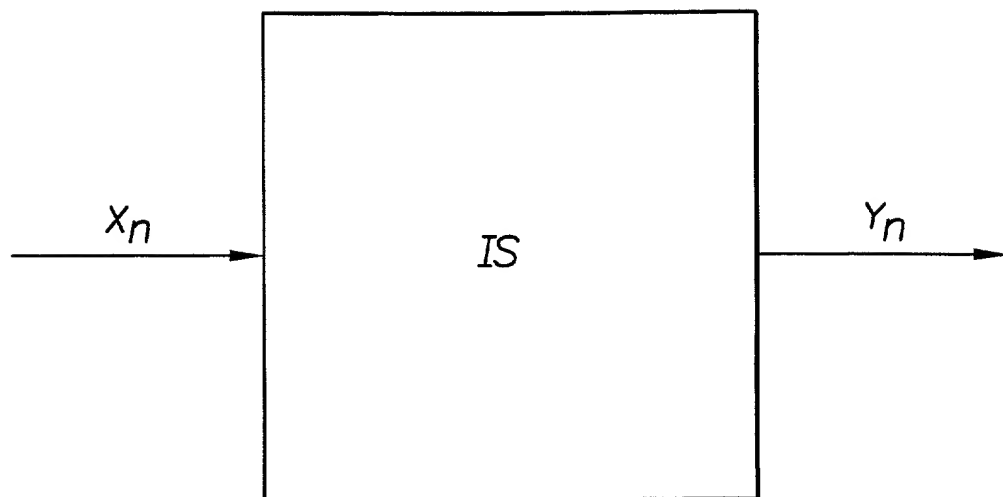


FIG. 20

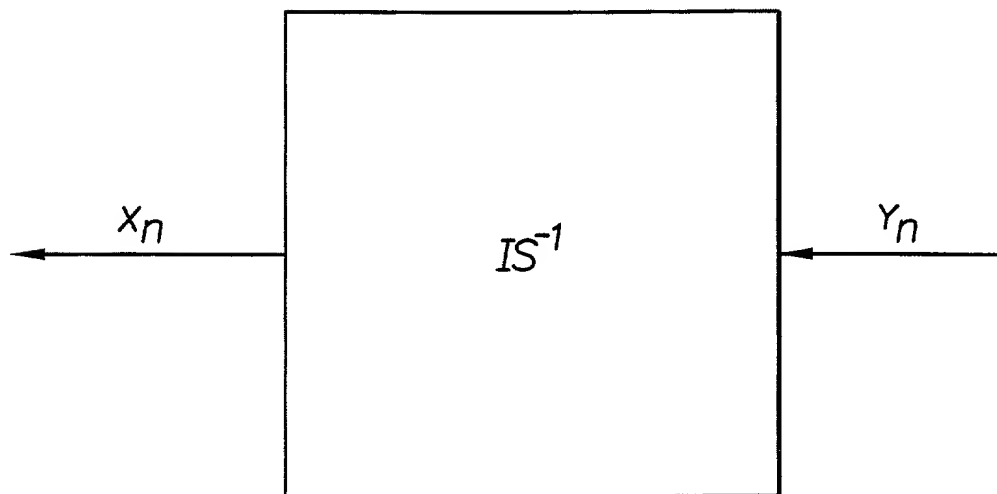


FIG. 21

PV CURVES FOR 100, 500,  
AND 1000 TRACK MOVES

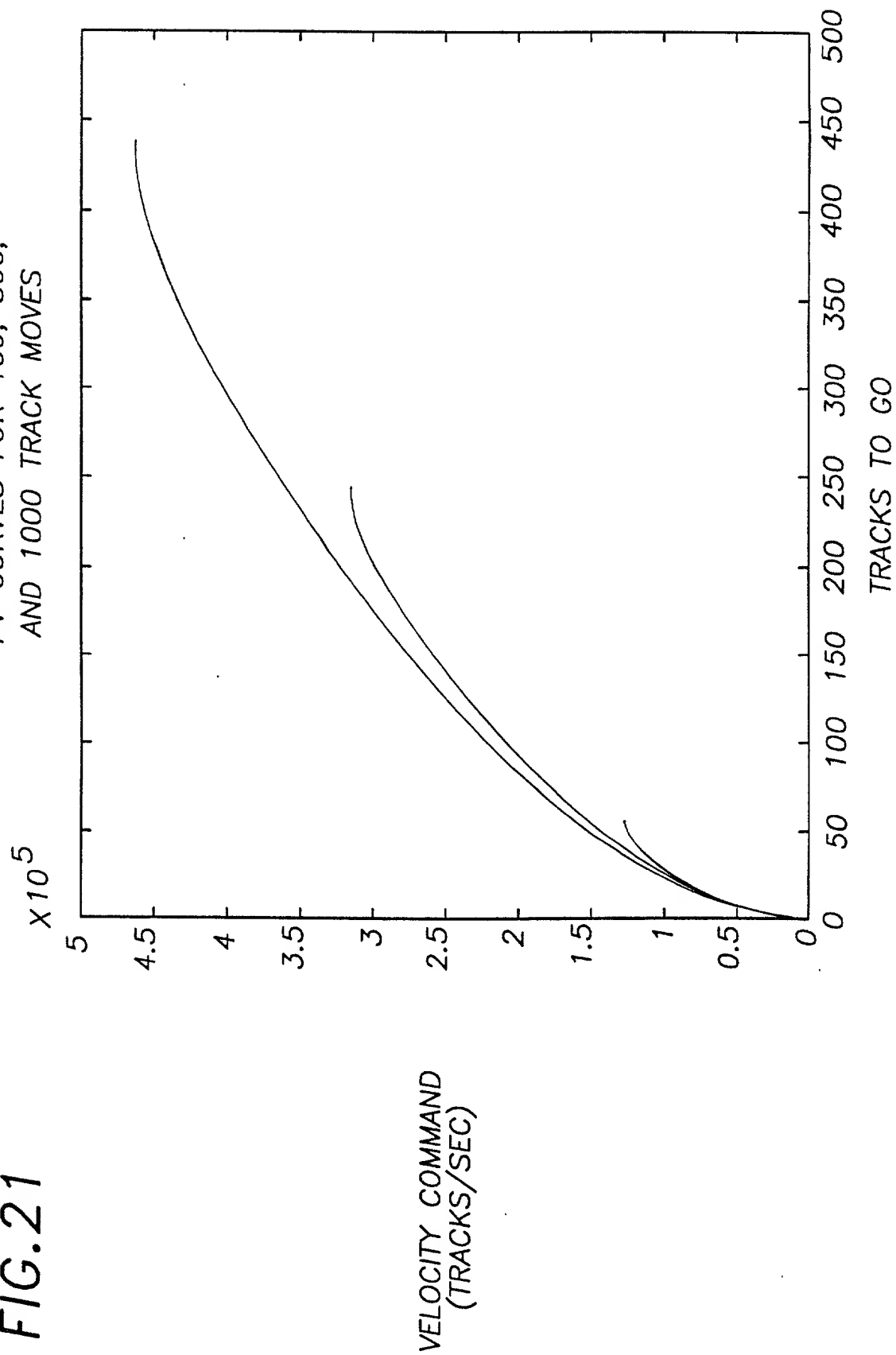


FIG. 22

NORMALIZED PV CURVES FOR 100,  
500, 1000, 3000 TRACK MOVES

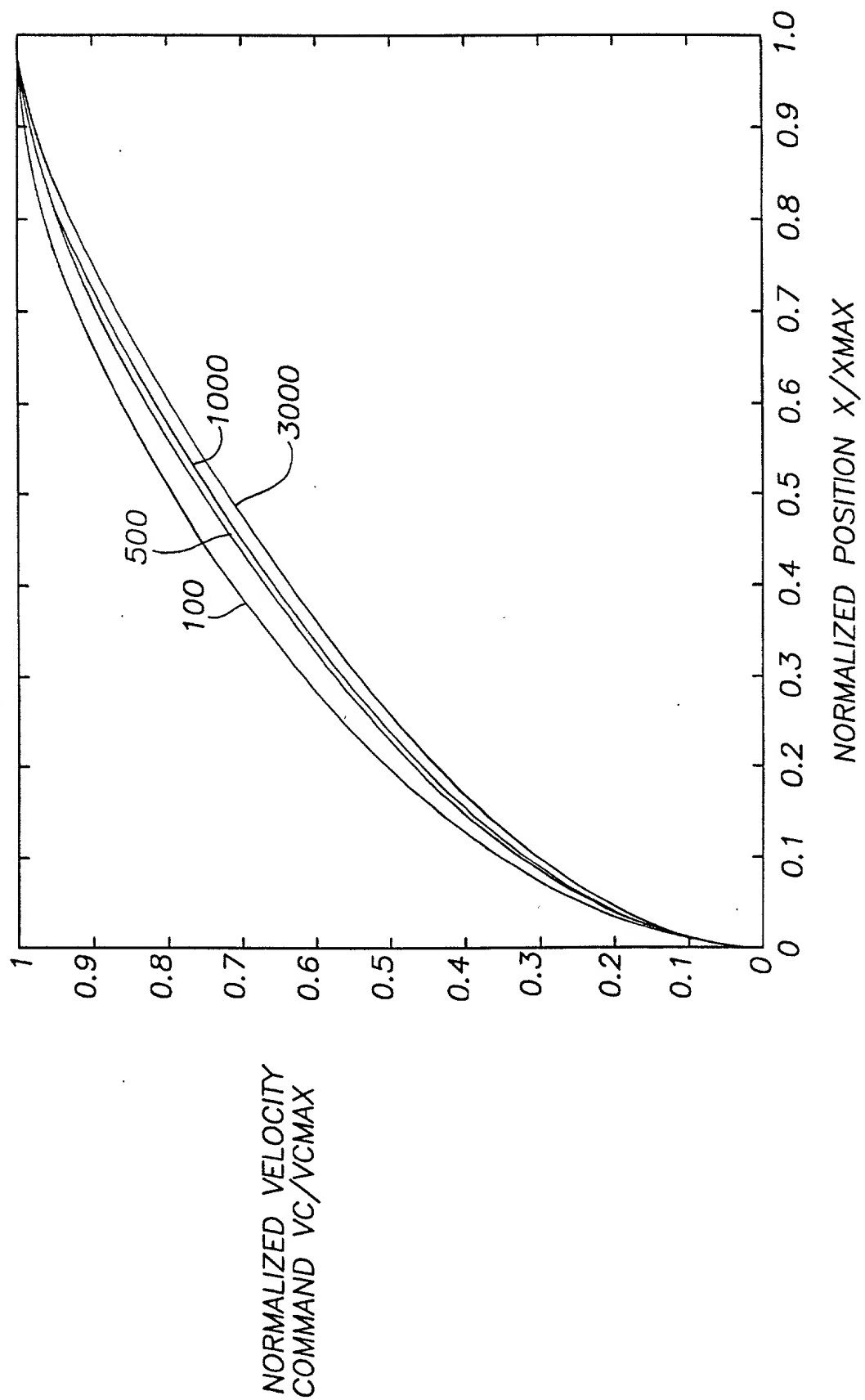


FIG. 23A

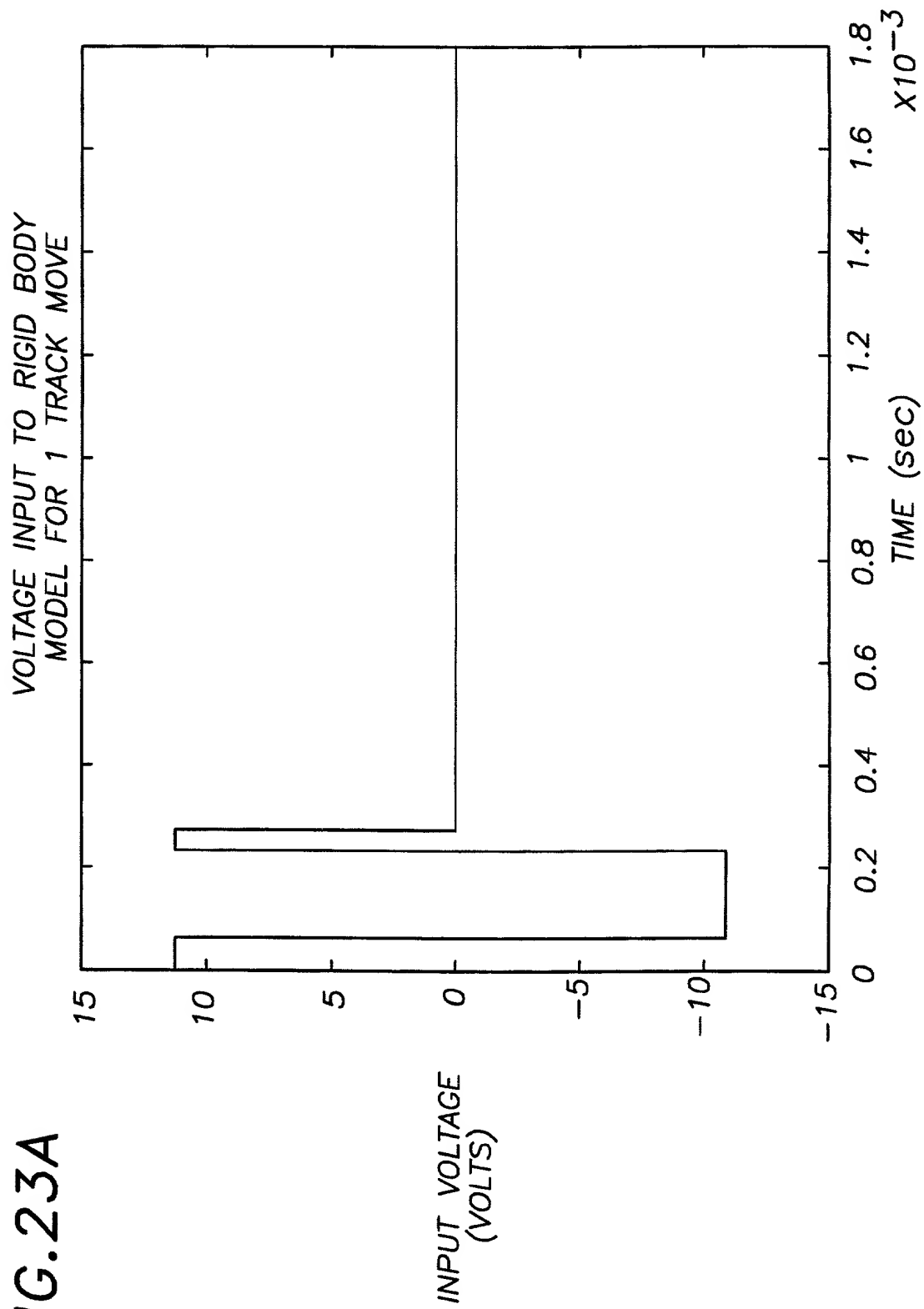


FIG. 23B

VOLTAGE INPUT TO RIGID BODY  
MODEL FOR 3000 TRACK MOVE

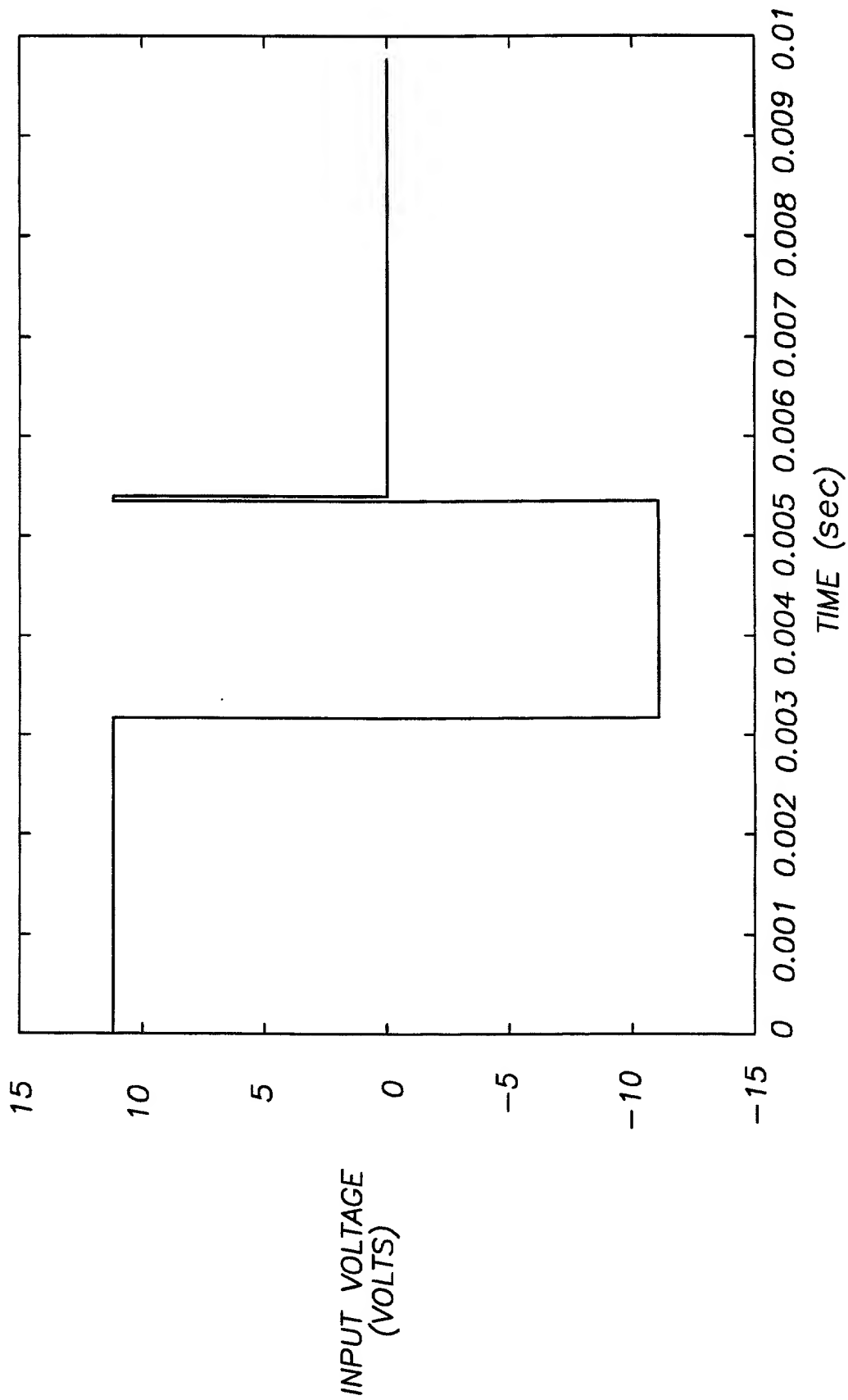


FIG.24

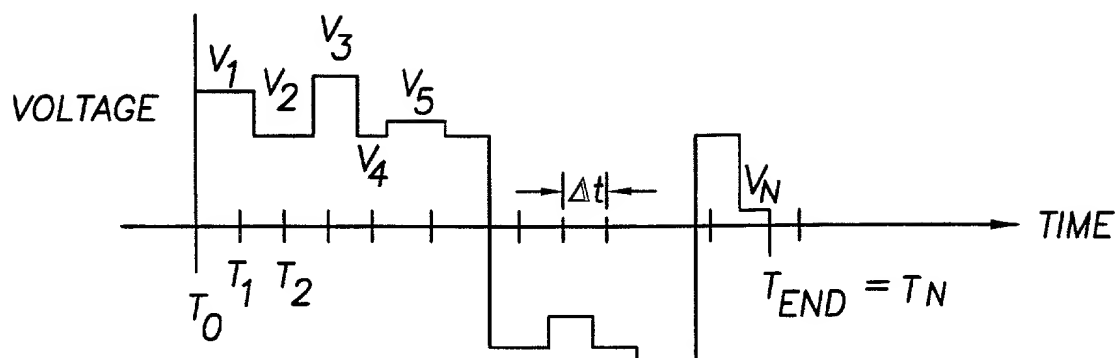


FIG.25

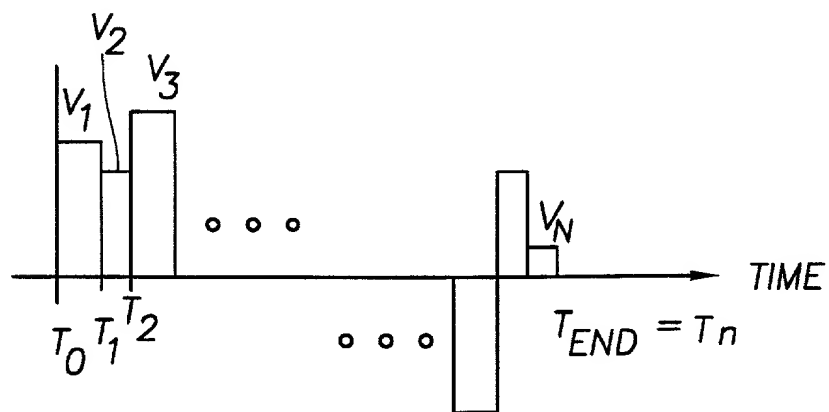


FIG.26

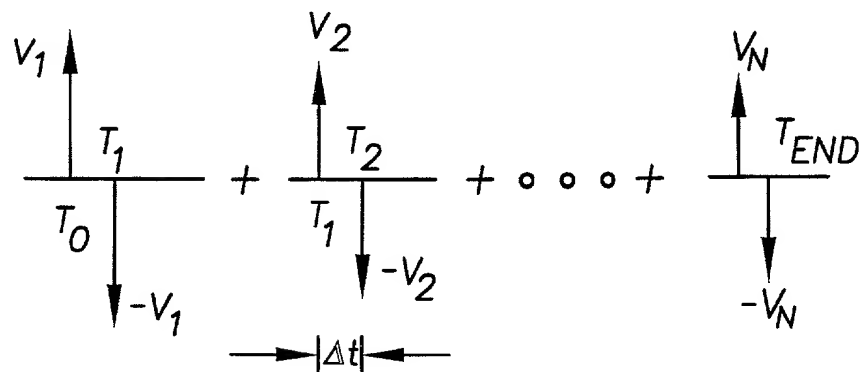


FIG.27

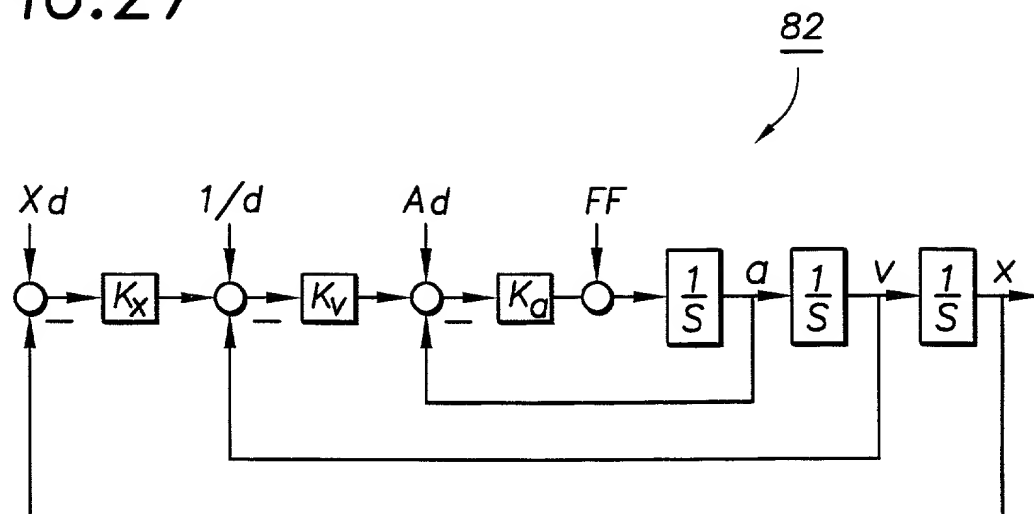
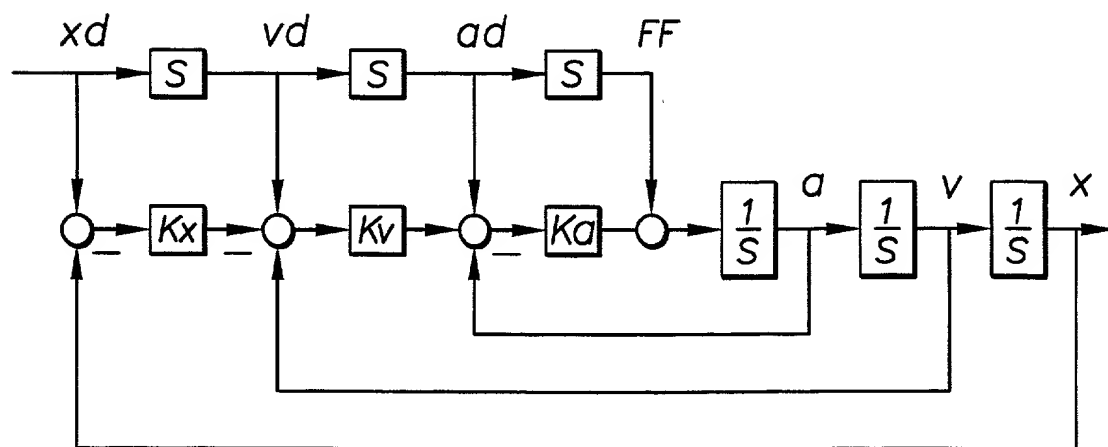


FIG.28



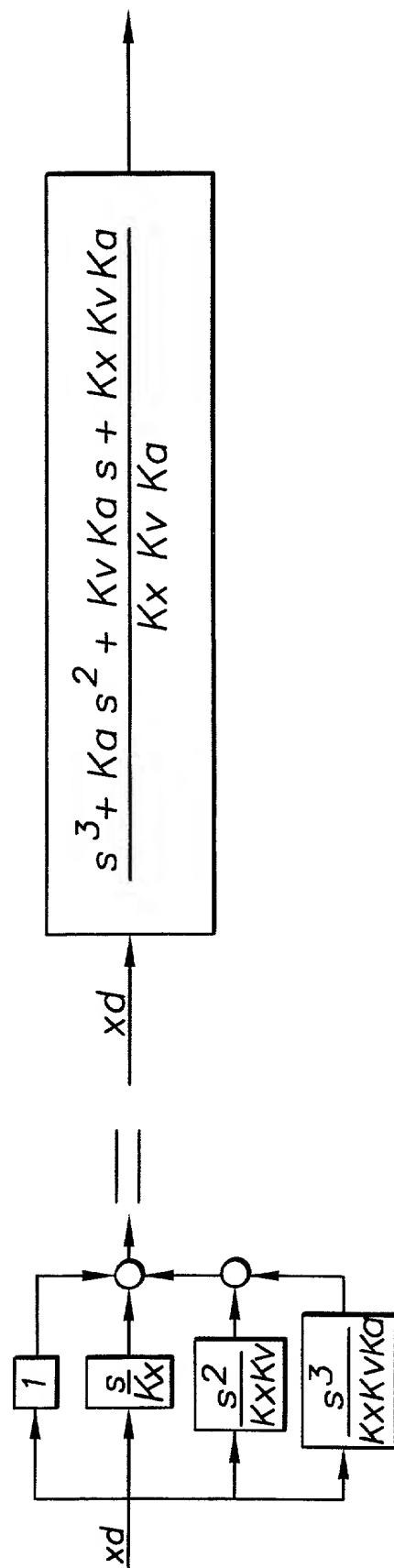
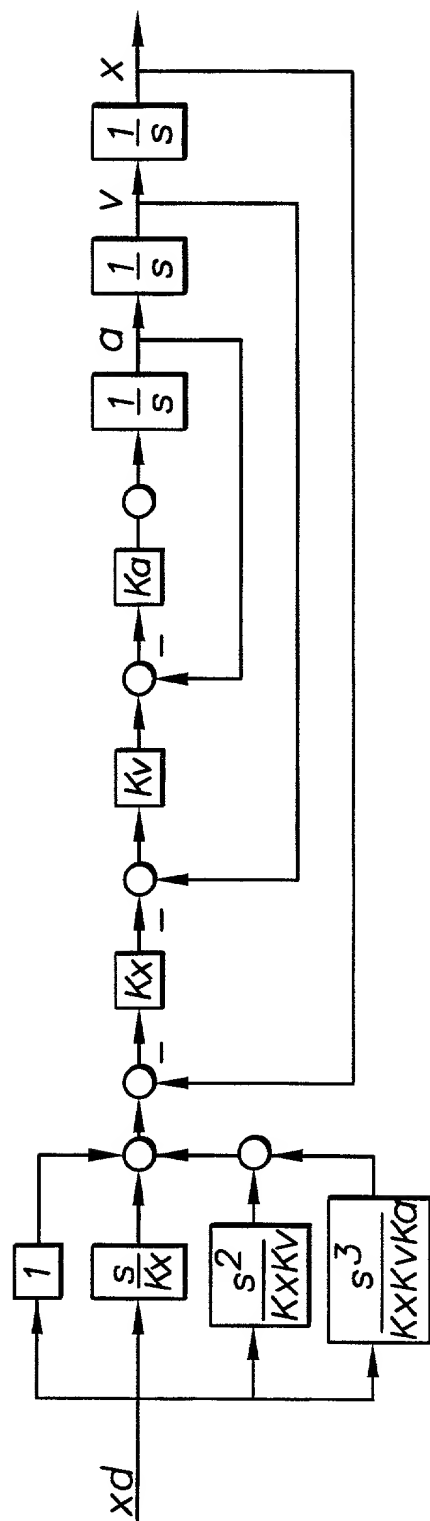




FIG. 31

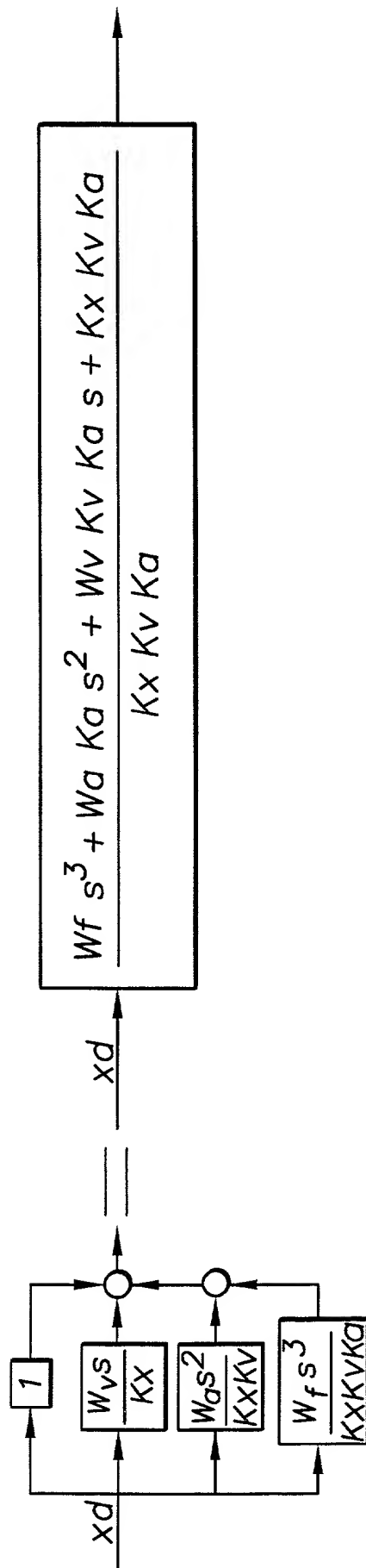


FIG. 32

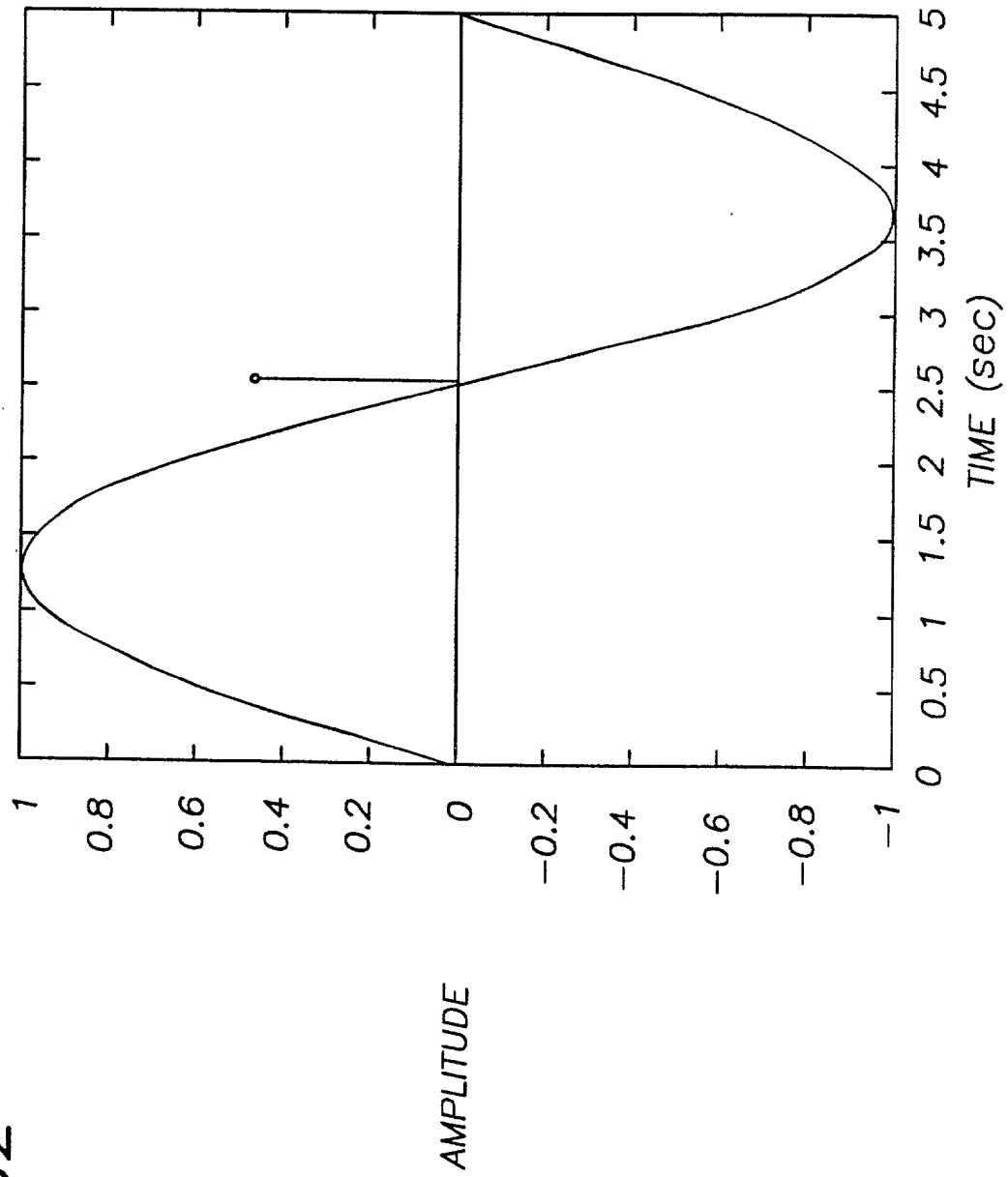


FIG.33

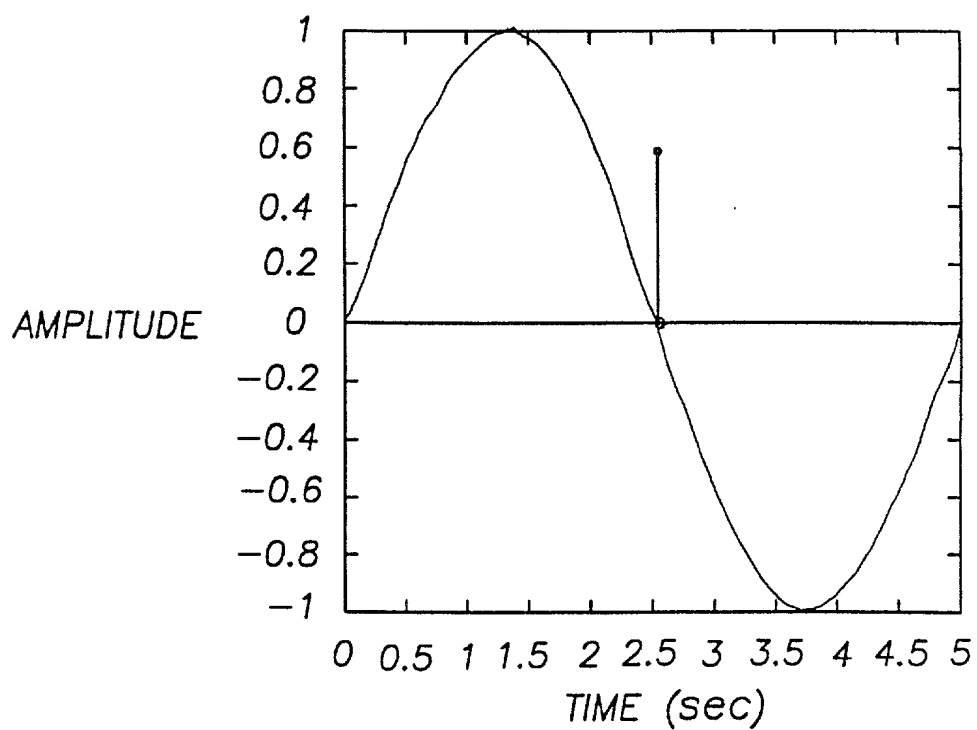


FIG.34

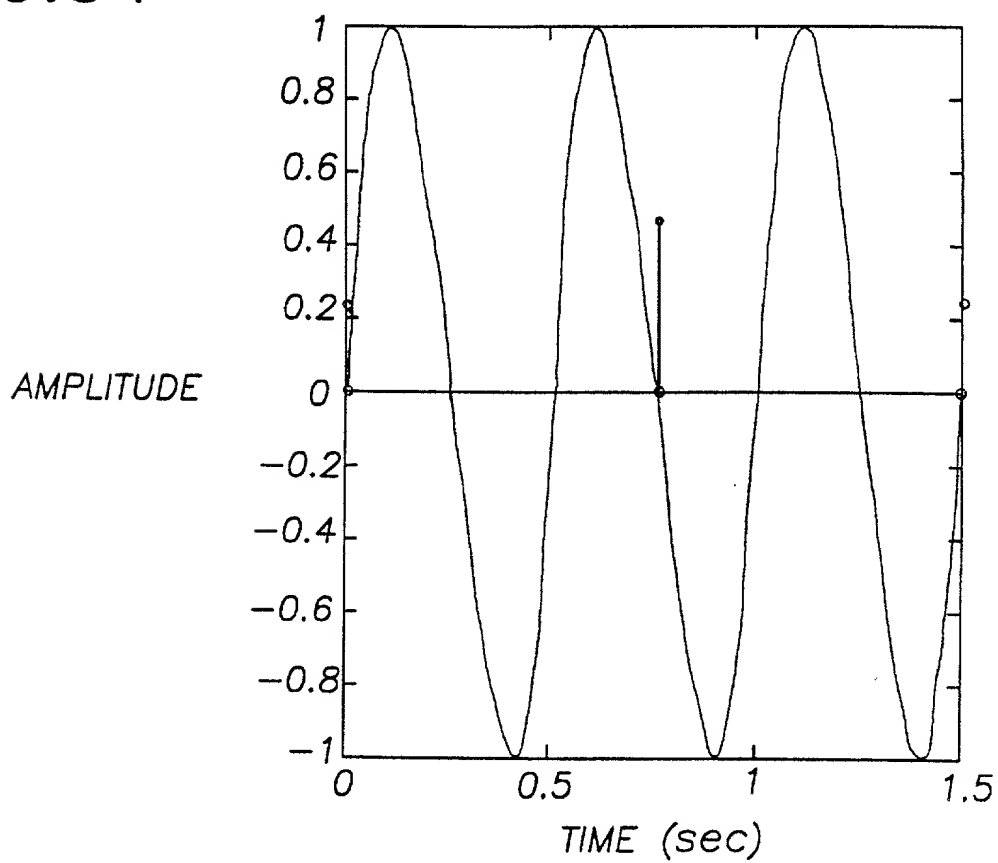


FIG.35

